GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 22:05:25 ; Search time 51.0802 Seconds
(without alignments)
13999.354 Million cell updates/sec

Title: US-09-497-967-5
Perfect score: 1404
Sequence: 1 atgaagaacaacatcctggt.....tgatctcttactacctgctg 1404

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	35.8	2.5	1824	9	US-09-938-842A-876	Sequence 876, App
c	2	35.8	2.5	2017	9	US-09-344-882-17	Sequence 17, Appl
	3	35.2	2.5	324	10	US-09-764-877-2449	Sequence 2449, Ap
	4	35.2	2.5	339	10	US-09-764-877-219	Sequence 219, App
	5	34.4	2.5	252	10	US-09-878-574-10642	Sequence 10642, A
	6	34.2	2.4	446	10	US-09-962-436-54	Sequence 54, Appl
	7	34.2	2.4	446	10	US-09-880-107-589	Sequence 589, App
	8	33.6	2.4	2194	10	US-09-880-107-3940	Sequence 3940, Ap
c	9	33.6	2.4	2462	9	US-09-922-364A-48	Sequence 48, Appl
c	10	33.6	2.4	2462	9	US-09-254-590-48	Sequence 48, Appl
c	11	33.6	2.4	2462	9	US-10-115-695-48	Sequence 48, Appl
c	12	32.8	2.3	442	10	US-09-880-107-1917	Sequence 1917, Ap
	13	32.8	2.3	1811	9	US-10-086-510-2	Sequence 2, Appli
c	14	32.4	2.3	1323	10	US-09-815-242-4076	Sequence 4076, Ap
	15	32.2	2.3	1473	10	US-09-735-787-3	Sequence 3, Appli
c	16	32	2.3	1026	10	US-09-815-242-9346	Sequence 9346, Ap
	17	32	2.3	1085	10	US-09-925-300-401	Sequence 401, App
c	18	32	2.3	1268	10	US-09-896-852-23	Sequence 23, Appl
c	19	32	2.3	1648	10	US-09-896-852-26	Sequence 26, Appl
c	20	32	2.3	4775	10	US-09-896-852-37	Sequence 37, Appl
	21	31.8	2.3	1400	10	US-09-350-756-4	Sequence 4, Appli
	22	31.8	2.3	3300	10	US-09-379-931-6	Sequence 6, Appli
c	23	31.8	2.3	30625	10	US-09-927-091-5	Sequence 5, Appli
	24	31.6	2.3	1593	9	US-09-738-626-1311	Sequence 1311, Ap
	25	31.6	2.3	1884	10	US-09-765-231A-28	Sequence 28, Appl
	26	31.6	2.3	2724	12	US-10-044-090-309	Sequence 309, App
	27	31.2	2.2	531	10	US-09-919-580-782	Sequence 782, App
c	28	31	2.2	339	10	US-09-867-701-3834	Sequence 3834, Ap
c	29	31	2.2	460	10	US-09-864-761-890	Sequence 890, App
c	30	31	2.2	807	10	US-09-764-877-722	Sequence 722, App
	31	31	2.2	873	10	US-09-770-445-552	Sequence 552, App
c	32	31	2.2	32219	10	US-09-764-869-2016	Sequence 2016, Ap
c	33	30.4	2.2	1581	9	US-09-738-626-1462	Sequence 1462, Ap
	34	30.4	2.2	8772	10	US-09-788-711A-3	Sequence 3, Appli
	35	30.4	2.2	8871	10	US-09-788-711A-1	Sequence 1, Appli
	36	30.4	2.2	640681	10	US-09-790-988-1	Sequence 1, Appli
	37	30.2	2.2	670	9	US-10-040-739-428	Sequence 428, App
	38	30.2	2.2	1407	10	US-09-815-242-9724	Sequence 9724, Ap
	39	30.2	2.2	2663	10	US-09-764-860-963	Sequence 963, App
	40	30.2	2.2	2663	10	US-09-764-860-965	Sequence 965, App
	41	30.2	2.2	8798	9	US-09-764-868-1454	Sequence 1454, Ap
	42	30.2	2.2	8798	9	US-09-764-868-1455	Sequence 1455, Ap
	43	30.2	2.2	8798	9	US-09-764-868-1460	Sequence 1460, Ap
	44	30.2	2.2	8798	9	US-09-764-868-1461	Sequence 1461, Ap
	45	30	2.1	1239	9	US-10-011-588-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-09-938-842A-876/c
; Sequence 876, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME, AND METHODS OF USE
; FILE REFERENCE: SCRIP1300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 876
; LENGTH: 1824
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-876

Query Match 2.5%; Score 35.8; DB 9; Length 1824;
Best Local Similarity 54.1%; Pred. No. 0.6;
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

```
Qy    265 ACCCAGTGTAACGTGAAGTGTCCTGCTGGAACCGCTATCGCTGGAGGAGCTACCGACTAC 324
          ||| | ||||   |||||  ||||  ||| ||||  |||| |||||     |||  | ||
Db    477 ACCAATTGTATGATGAAGAATCCTATTGGTACCGTAATCGTTGGAGTTTGGACCACCGAC 418

Qy    325 GCTGCTATCATCACCGAGTGTGTGAACTGTCGCATCAACTTCTACAACGAGAACGCTCCT 384
          | ||| |     |   ||  | | |       ||| |  |     ||  ||||| |||
Db    417 GATGCAAATCAGAGGCAGATTCTCACTGTAAGCACCGGCGATCGCATTCAGAACACTCAA 358

Qy    385 AACTTCAACGCTGGA 399
            |  | ||| || |
Db    357 TCCACCGACGGTGAA 343
```

```
RESULT 2
US-09-344-882-17/c
; Sequence 17, Application US/09344882
; Patent No. US20020162137A1
; GENERAL INFORMATION:
;  APPLICANT:  Nikolau, Basil J
;  APPLICANT:  Wurtele, Eve S
;  APPLICANT:  Oliver, David J
;  APPLICANT:  Behal, Robert
;  APPLICANT:  Schnable, Patrick S
;  APPLICANT:  Ke, Jinshan
;  APPLICANT:  Johnson, Jerry L
;  APPLICANT:  Allred, Carolyn C
;  APPLICANT:  Fatland, Beth
;  APPLICANT:  Lutziger, Isabelle
;  APPLICANT:  Wen, Tsui-Jung
;  TITLE OF INVENTION:  Materials and Methods for the Alteration of Enzyme and
;  TITLE OF INVENTION:  Acetyl CoA Levels in Plants
;  FILE REFERENCE:  201573
;  CURRENT APPLICATION NUMBER: US/09/344,882
;  CURRENT FILING DATE:  1999-06-25
;  PRIOR APPLICATION NUMBER:  US 60/090,717
;  PRIOR FILING DATE:  1998-06-26
;  NUMBER OF SEQ ID NOS:  38
;  SOFTWARE:  PatentIn Ver. 2.2
; SEQ ID NO 17
;   LENGTH: 2017
;   TYPE: DNA
;   ORGANISM: Arabidopsis Thaliana
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1)..(1000)
;   NAME/KEY: exon
;   LOCATION: (1002)..(1508)
;   NAME/KEY: exon
;   LOCATION: (1510)..(1519)
;   NAME/KEY: exon
;   LOCATION: (1521)..(1531)
;   NAME/KEY: exon
;   LOCATION: (1533)..(2017)
US-09-344-882-17

  Query Match             2.5%;  Score 35.8;  DB 9;  Length 2017;
  Best Local Similarity   54.1%;  Pred. No. 0.64;
  Matches   73;  Conservative    0;  Mismatches   62;  Indels    0;  Gaps    0;

Qy     265 ACCCAGTGTAACGTGAAGTGTCCTGCTGGAACCGCTATCGCTGGAGGAGCTACCGACTAC 324
           ||| | ||||   |||||  ||||  ||| ||||  |||| |||||     ||| | ||
Db     536 ACCAATTGTATGATGAAGAATCCTATTGGTACCGTAATCGTTGGAGTTTGGACCACCGAC 477

Qy     325 GCTGCTATCATCACCGAGTGTGTGAACTGTCGCATCAACTTCTACAACGAGAACGCTCCT 384
           | ||| |     |   ||  | | |      ||| |  |     ||  ||||| |||
Db     476 GATGCAAATCAGAGGCAGATTCTCACTGTAAGCACCGGCGATCGCATTCAGAACACTCAA 417

Qy     385 AACTTCAACGCTGGA 399
             |  | ||| || |
Db     416 TCCACCGACGGTGAA 402


RESULT 3
US-09-764-877-2449
; Sequence 2449, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC005
;  CURRENT APPLICATION NUMBER: US/09/764,877
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 4031
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2449
;   LENGTH: 324
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-877-2449

  Query Match             2.5%;  Score 35.2;  DB 10;  Length 324;
  Best Local Similarity   47.7%;  Pred. No. 0.32;
  Matches  103;  Conservative    0;  Mismatches  113;  Indels    0;  Gaps    0;

Qy    1145 GTCCTGCTGGAACCGTGCTGACCGACGGAACCACCTCTACCTACAAGCAGGCTGCTTCTG 1204
           || |||     || |   | | | || | |||       |  |   | ||   |  | |||
Db       9 GTGCTGGGATTACAGACATAAACTACTGCACCCAGCTAAGATTATATCATATTTTTACTG 68

Qy    1205 AGTGTGTGAAGTGTGCTGCTAACTTCTACACCACCAAGCAGACCGACTGGGTGGCTGGAA 1264
             | | |   ||||   | ||  ||      ||| || |   || | | |||  |||
Db      69 CATCTTTTCTGTGTATAGATATGTTTAGATACACAAATCCTTCCCATTAGGTTACTGTTG 128

Qy    1265 TCGACACCTGTACCTCTTGTAACAAGAAGCTGACCTCTGGAGCTGAGGCTAACCTGCCTG 1324
           || |      | ||| | ||||||||  |   |  | ||||||  |||   |   | |||
Db     129 TCTATGGTATTCCCTATAGTAACAAGCTGTACAGGTTTGGAGCCTAGGGGCAATAGGCTG 188

Qy    1325 AGTCTGCTAAGAAGAACATCCAGTGTGACTTCGCTA 1360
             |  ||  || | | |        | || ||||
Db     189 TACCATTTATTAATAGCCTAGGTGTGTAGTTGGCTA 224


RESULT 4
US-09-764-877-219
; Sequence 219, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC005
;  CURRENT APPLICATION NUMBER: US/09/764,877
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 4031
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 219
;   LENGTH: 339
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (310)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (336)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-764-877-219

  Query Match             2.5%;  Score 35.2;  DB 10;  Length 339;
  Best Local Similarity   47.7%;  Pred. No. 0.33;
  Matches  103;  Conservative    0;  Mismatches  113;  Indels    0;  Gaps    0;

Qy    1145 GTCCTGCTGGAACCGTGCTGACCGACGGAACCACCTCTACCTACAAGCAGGCTGCTTCTG 1204
           || |||     || |   | | | || | |||       |  |   | ||   |  | |||
Db      11 GTGCTGGGATTACAGACATAAACTACTGCACCCAGCTAAGATTATATCATATTTTTACTG 70

Qy    1205 AGTGTGTGAAGTGTGCTGCTAACTTCTACACCACCAAGCAGACCGACTGGGTGGCTGGAA 1264
             | | |   ||||   | ||  ||      ||| || |   || | | |||  |||
Db      71 CATCTTTTCTGTGTATAGATATGTTTAGATACACAAATCCTTCCCATTAGGTTACTGTTG 130

Qy    1265 TCGACACCTGTACCTCTTGTAACAAGAAGCTGACCTCTGGAGCTGAGGCTAACCTGCCTG 1324
           || |      | ||| | ||||||||  |   |  | ||||||  |||   |   | |||
Db     131 TCTATGGTATTCCCTATAGTAACAAGCTGTACAGGTTTGGAGCCTAGGGGCAATAGGCTG 190

Qy    1325 AGTCTGCTAAGAAGAACATCCAGTGTGACTTCGCTA 1360
             |  ||  || | | |        | || ||||
Db     191 TACCATTTATTAATAGCCTAGGTGTGTAGTTGGCTA 226
```

```
RESULT 5
US-09-878-574-10642
; Sequence 10642, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
;  APPLICANT: Byrum, Joseph R.
;  APPLICANT:  La Rosa, Thomas J.
;  APPLICANT:  Thompson, Michael D.
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
;  TITLE OF INVENTION:  Plants
;  FILE REFERENCE: 38-21(15401)B
;  CURRENT APPLICATION NUMBER: US/09/878,574
;  CURRENT FILING DATE:  2001-12-21
;  PRIOR APPLICATION NUMBER: 09/333,535
;  PRIOR FILING DATE: 1999-06-14
;  NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 10642
;   LENGTH: 252
;   TYPE: DNA
;   ORGANISM: Glycine max
;   OTHER INFORMATION: Clone ID: 700967903H1
US-09-878-574-10642

  Query Match             2.5%;  Score 34.4;  DB 10;  Length 252;
  Best Local Similarity   50.0%;  Pred. No. 0.49;
  Matches   86;  Conservative    0;  Mismatches   86;  Indels    0;  Gaps    0;

Qy      1 ATGAAGAACAACATCCTGGTGATCCTGATCATCTCTCTGTTCATCAACCAGATCAAGTCT 60
          || |||   ||| |  || | || |  |  |       ||   ||||||   ||||    |
Db     77 ATAAAGGGGAACTTGGTGATTATGCGAAAGAATGTGTTGGATATCAACAGCATCACCAGT 136

Qy     61 GCTAACTGTCCTGTGGGAACCGAGACCAACACCGCTGGACAGGTGGACGACCTGGGAACC 120
          | |||  ||    | |||||||  |  |||| |  ||||   || | ||||   |  ||
Db    137 GTTAAGGGTGTCATTGGAACCGGCATTAACATCATTGGAGGTGTCGTCGACACCGTTACT 196

Qy    121 CCTGCTAACTGTGTGAACTGTCAGAAGAACTTCTACTACAACAACGCTGCTG 172
           ||      |     | ||      ||  | ||     || ||| |||| ||
Db    197 GCTTTGGCGTCCCACATCTCCATCCAGCTCATCAGTGCCACCAAGGCTGATG 248


RESULT 6
US-09-962-436-54
; Sequence 54, Application US/09962436
; Patent No. US20020081301A1
; GENERAL INFORMATION:
;  APPLICANT: Soppet, Daniel
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-75
;  CURRENT APPLICATION NUMBER: US/09/962,436
;  CURRENT FILING DATE:  2001-09-25
;  PRIOR APPLICATION NUMBER: US/60/235,082
;  PRIOR FILING DATE: 2000-09-25
;  PRIOR APPLICATION NUMBER: US/60/234,924
;  PRIOR FILING DATE: 2000-09-25
;  NUMBER OF SEQ ID NOS: 568
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 54
;   LENGTH: 446
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-962-436-54

  Query Match             2.4%;  Score 34.2;  DB 10;  Length 446;
  Best Local Similarity   49.2%;  Pred. No. 0.81;
  Matches   90;  Conservative    0;  Mismatches   93;  Indels    0;  Gaps    0;

Qy     885 GGCTACCGCTGGAGGAGCTGCTACCCTGGCTAAGCAGTGTAACATCGCTTGTCCTGACGG 944
           || |||  |   ||   |   |  |  |||| ||   ||| || || ||| | ||
Db     189 GGGCACCTTTTATGGGCATTTGAGATTCACAGAGCAATGGGCCATGGCATGCCCTCAAGG 248

Qy     945 AACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGTGTCTGAACTG 1004
           |||     |  |   ||||||  ||  |  || |                ||| | |||
Db     249 AACTTACAATGTAGCTGGAGAGACACAAAACATCCAAAACAGACATGAGGGGCTGGCTCT 308

Qy    1005 TGCTGCTAACTTCTACTTCGACGGAAACAACTTCCAGGCTGGATCTTCTCGCTGTAAGGC 1064
             || |  || ||||  |  ||  |||| | | |  |  |   || ||  | ||||| ||
Db     309 ACCTCCACACCTCTATCTGAACAAAAACGATTACTGGCTTAAGTCCTCGTGTTGTAACGC 368

Qy    1065 TTG 1067
             ||
Db     369 ATG 371


RESULT 7
US-09-880-107-589
; Sequence 589, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
;  APPLICANT: Horne, Darci T.
;  APPLICANT:  Vockley, Joseph G.
;  APPLICANT:  Scherf, Uwe
;  APPLICANT:  Gene Logic, Inc.
;  TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
;  FILE REFERENCE: 44921-5028-WO
;  CURRENT APPLICATION NUMBER: US/09/880,107
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 60/211,379
;  PRIOR FILING DATE: 2000-06-14
;  PRIOR APPLICATION NUMBER: US 60/237,054
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 3950
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 589
;   LENGTH: 446
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA258182
US-09-880-107-589

  Query Match             2.4%;  Score 34.2;  DB 10;  Length 446;
  Best Local Similarity   49.2%;  Pred. No. 0.81;
  Matches   90;  Conservative    0;  Mismatches   93;  Indels    0;  Gaps    0;

Qy     885 GGCTACCGCTGGAGGAGCTGCTACCCTGGCTAAGCAGTGTAACATCGCTTGTCCTGACGG 944
           || |||  |   ||   |   |  |  |||| ||   ||| || || ||| | ||
Db     189 GGGCACCTTTTATGGGCATTTGAGATTCACAGAGCAATGGGCCATGGCATGCCCTCAAGG 248

Qy     945 AACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGTGTCTGAACTG 1004
           |||     |  |   ||||||  ||  |  || |                ||| | |||
Db     249 AACTTACAATGTAGCTGGAGAGACACAAAACATCCAAAACAGACATGAGGGGCTGGCTCT 308

Qy    1005 TGCTGCTAACTTCTACTTCGACGGAAACAACTTCCAGGCTGGATCTTCTCGCTGTAAGGC 1064
             || |  || ||||  |  ||  |||| | | |  |  |   || ||  | ||||| ||
Db     309 ACCTCCACACCTCTATCTGAACAAAAACGATTACTGGCTTAAGTCCTCGTGTTGTAACGC 368

Qy    1065 TTG 1067
             ||
Db     369 ATG 371


RESULT 8
US-09-880-107-3940
; Sequence 3940, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
;  APPLICANT: Horne, Darci T.
;  APPLICANT:  Vockley, Joseph G.
;  APPLICANT:  Scherf, Uwe
;  APPLICANT:  Gene Logic, Inc.
;  TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
;  FILE REFERENCE: 44921-5028-WO
;  CURRENT APPLICATION NUMBER: US/09/880,107
```

```
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 60/211,379
;  PRIOR FILING DATE: 2000-06-14
;  PRIOR APPLICATION NUMBER: US 60/237,054
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 3950
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3940
;   LENGTH: 2194
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020142981A1 Z48475
US-09-880-107-3940

  Query Match             2.4%;  Score 33.6;  DB 10;  Length 2194;
  Best Local Similarity   66.7%;  Pred. No. 3.3;
  Matches   48;  Conservative    0;  Mismatches   24;  Indels    0;  Gaps    0;

Qy     113 TGGGAACCCCTGCTAACTGTGTGAACTGTCAGAAGAACTTCTACTACAACAACGCTGCTG 172
           |||||  | |||||  || ||||    | |||| | ||| || |   |||||| | ||||
Db     602 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGACTGCTGCATGAACAACACAGCTG 661

Qy     173 CTTTCGTGCCTG 184
             ||| |||| |
Db     662 TCTTCTTGCCAG 673


RESULT 9
US-09-922-364A-48/c
; Sequence 48, Application US/09922364A
; Patent No. US20020155531A1
;   GENERAL INFORMATION:
;        APPLICANT: Adelman, John P.
;                   Maylie, James
;                   Bond, Chris T.
;                   Silvia, Christopher P.
;        TITLE OF INVENTION: Small and Intermediate Conductance,
;                            Calcium-Activated Potassium Channels and Uses
;                            Thereof
;        NUMBER OF SEQUENCES: 48
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/922,364A
;             FILING DATE: 03-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/254,590
;             FILING DATE: 10-Mar-1999
;             APPLICATION NUMBER: US 60/026,451
;             FILING DATE: 11-SEP-1996
;             APPLICATION NUMBER: US 60/040,052
;             FILING DATE: 07-MAR-1997
;             APPLICATION NUMBER: US 60/045,233
;             FILING DATE: 17-APR-1997
;             APPLICATION NUMBER: WO PCT/US97/16033
;             FILING DATE: 10-SEP-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Weber, Kenneth A.
;             REGISTRATION NUMBER: 31,677
;             REFERENCE/DOCKET NUMBER: 014210-000730US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 48:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 2462 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        FEATURE:
;             NAME/KEY:  -
;             LOCATION:  1..2462
;             OTHER INFORMATION:  /note= "human small conductance,
;             calcium-activated potassium channel
;             protein 3 (hSK3) full length cDNA"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 48:
US-09-922-364A-48

  Query Match             2.4%;  Score 33.6;  DB 9;  Length 2462;
  Best Local Similarity   53.9%;  Pred. No. 3.6;
  Matches   69;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy     166 GCTGCTGCTTTCGTGCCTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAAGAAGGACGCT 225
           |||||||||   ||  |||  ||| || |   | |  ||  ||| |||| || ||||
Db     375 GCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTCATCCCCAGAGGATGGACAGG 316

Qy     226 GGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTGT 285
           ||  ||  |  |   | |||   | || |   || |          ||  |  |||||||
Db     315 GGCACTTGGGGTCTTCATCCAAGTCCCCCACCCCCGAGTCATGGAAGTGCCCAGAAGTGT 256

Qy     286 CCTGCTGG 293
           ||  || |
Db     255 CCATCTTG 248


RESULT 10
US-09-254-590-48/c
; Sequence 48, Application US/09254590
; Patent No. US20020165379A1
;   GENERAL INFORMATION:
;        APPLICANT: Adelman, John P.
;                   Maylie, James
;                   Bond, Chris T.
;                   Silvia, Christopher P.
;        TITLE OF INVENTION: Small and Intermediate Conductance,
;                            Calcium-Activated Potassium Channels and Uses Thereof
;        NUMBER OF SEQUENCES: 48
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/254,590
;             FILING DATE: 10-Mar-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 60/026,451
;             FILING DATE: 11-SEP-1996
;             APPLICATION NUMBER: US 60/040,052
;             FILING DATE: 07-MAR-1997
;             APPLICATION NUMBER: US 60/045,233
;             FILING DATE: 17-APR-1997
;             APPLICATION NUMBER: WO PCT/US97/16033
;             FILING DATE: 10-SEP-1997
;        ATTORNEY/AGENT INFORMATION:
```

```
;             NAME: Weber, Kenneth A.
;             REGISTRATION NUMBER: 31,677
;             REFERENCE/DOCKET NUMBER: 014210-000730US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 48:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 2462 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        FEATURE:
;             NAME/KEY:  -
;             LOCATION:  1..2462
;             OTHER INFORMATION:  /note= "human small conductance,
;             calcium-activated potassium channel
;             protein 3 (hSK3) full length cDNA"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 48:
US-09-254-590-48

  Query Match             2.4%;  Score 33.6;  DB 9;  Length 2462;
  Best Local Similarity   53.9%;  Pred. No. 3.6;
  Matches   69;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy    166 GCTGCTGCTTTCGTGCCTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAAGAAGGACGCT 225
          |||||||||   ||  |||  ||| || |   | |  ||  ||| |||| || ||||
Db    375 GCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTCATCCCCAGAGGATGGACAGG 316

Qy    226 GGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTGT 285
          ||  ||  |  |   | |||   | || |   || |           ||  |  |||||||
Db    315 GGCACTTGGGGTCTTCATCCAAGTCCCCCACCCCCGAGTCATGGAAGTGCCCAGAAGTGT 256

Qy    286 CCTGCTGG 293
          ||  || |
Db    255 CCATCTTG 248


RESULT 11
US-10-115-695-48/c
; Sequence 48, Application US/10115695
; Publication No. US20020192757A1
;   GENERAL INFORMATION:
;        APPLICANT: Adelman, John P.
;                   Maylie, James
;                   Bond, Chris T.
;                   Silvia, Christopher P.
;        TITLE OF INVENTION: Small and Intermediate Conductance,
;                            Calcium-Activated Potassium Channels and Uses
;                            Thereof
;        NUMBER OF SEQUENCES: 48
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/115,695
;             FILING DATE: 03-Apr-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/254,590
;             FILING DATE: 10-Mar-1999
;             APPLICATION NUMBER: US 60/026,451
;             FILING DATE: 11-SEP-1996
;             APPLICATION NUMBER: US 60/040,052
;             FILING DATE: 07-MAR-1997
;             APPLICATION NUMBER: US 60/045,233
;             FILING DATE: 17-APR-1997
;             APPLICATION NUMBER: WO PCT/US97/16033
;             FILING DATE: 10-SEP-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Weber, Kenneth A.
;             REGISTRATION NUMBER: 31,677
;             REFERENCE/DOCKET NUMBER: 014210-000730US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 48:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 2462 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        FEATURE:
;             NAME/KEY:  -
;             LOCATION:  1..2462
;             OTHER INFORMATION:  /note= "human small conductance,
;             calcium-activated potassium channel
;             protein 3 (hSK3) full length cDNA"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 48:
US-10-115-695-48

  Query Match             2.4%;  Score 33.6;  DB 9;  Length 2462;
  Best Local Similarity   53.9%;  Pred. No. 3.6;
  Matches   69;  Conservative    0;  Mismatches   59;  Indels    0;  Gaps    0;

Qy    166 GCTGCTGCTTTCGTGCCTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAAGAAGGACGCT 225
          |||||||||   ||  |||  ||| || |   | |  ||  ||| |||| || ||||
Db    375 GCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTCATCCCCAGAGGATGGACAGG 316

Qy    226 GGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTGT 285
          ||  ||  |  |   | |||   | || |   || |           ||  |  |||||||
Db    315 GGCACTTGGGGTCTTCATCCAAGTCCCCCACCCCCGAGTCATGGAAGTGCCCAGAAGTGT 256

Qy    286 CCTGCTGG 293
          ||  || |
Db    255 CCATCTTG 248


RESULT 12
US-09-880-107-1917/c
; Sequence 1917, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
;  APPLICANT: Horne, Darci T.
;  APPLICANT:  Vockley, Joseph G.
;  APPLICANT:  Scherf, Uwe
;  APPLICANT:  Gene Logic, Inc.
;  TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
;  FILE REFERENCE: 44921-5028-WO
;  CURRENT APPLICATION NUMBER: US/09/880,107
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 60/211,379
;  PRIOR FILING DATE: 2000-06-14
;  PRIOR APPLICATION NUMBER: US 60/237,054
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 3950
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1917
;   LENGTH: 442
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020142981A1 H38246
;   NAME/KEY: unsure
;   LOCATION: (1)..(442)
```

```
;   OTHER INFORMATION: n = a or c or g or t
US-09-880-107-1917

  Query Match              2.3%;  Score 32.8;  DB 10;  Length 442;
  Best Local Similarity   53.8%;  Pred. No. 2.2;
  Matches   64;  Conservative    0;  Mismatches   55;  Indels    0;  Gaps    0;

Qy     351 CTGTCGCATCAACTTCTACAACGAGAACGCTCCTAACTTCAACGCTGGAGCTTCTACCTG 410
           | | | ||  ||| ||| |||| | ||       ||||  || ||   ||      ||
Db     434 CGGCCCCAGNAACCTCTGCAACTAAAAAAGGGACAACTGGAAGGCCCCAGNCCAGCCCCC 375

Qy     411 TACCGCTTGTCCTGTGAACCGCGTGGGAGGAGCTCTGACCGCTGGAAACGCTGCTACCA 469
           || | | | |||  |||| | ||||  ||   |||||||    |  || |  |  |||
Db     374 CACTGATGGCCCTCGGAACNGGGTGGCCGGGCGTCTGACCAACAGGCACACAACAGCCA 316


RESULT 13
US-10-086-510-2
; Sequence 2, Application US/10086510
; Publication No. US20030027258A1
; GENERAL INFORMATION:
;  APPLICANT: Fang-Tseh (Frank) CHANG et al.
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR PEARL
;  TITLE OF INVENTION:  OYSTER CULTIVATION
;  FILE REFERENCE: 505493000120
;  CURRENT APPLICATION NUMBER: US/10/086,510
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: 60/310,070
;  PRIOR FILING DATE: 2001-08-02
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 1811
;   TYPE: DNA
;   ORGANISM: Pinctada maxima
US-10-086-510-2

  Query Match              2.3%;  Score 32.8;  DB 9;  Length 1811;
  Best Local Similarity   43.4%;  Pred. No. 5.3;
  Matches  209;  Conservative    0;  Mismatches  267;  Indels    6;  Gaps    1;

Qy     584 ACAACGGAAACAACGGAAACACCCCTTTCAACCCTGGAAAGTCTCAGTGTACCCCTTGTC 643
           | |||||  |||| || |||| |     |||   |       |   |   | ||
Db     882 ATAACGGTTACAATGGCAACAACGGAAACAATGGTAATGGTAACAATGACAATAATGGTA 941

Qy     644 CTGCTATCAAGCCTGCTAACGTGGCTCAGGCTACCCTGGGAAACGACGCTACCATCACCG 703
           | || |||      |||||  |   | | || |   ||||| | | ||     | |
Db     942 ACGATAACAACGGAAATAACGGTGGCAATGGTAACAACGGAAACAATGGTAATGGTAACA 1001

Qy     704 CTCAGTGTAACGTGGCTTGTCCTGACGGAACCATCTCTGCTGCTGGAGTGAACAACTGGG 763
           |     ||| |    | ||  | ||||||  | |  ||    |||    |||
Db    1002 ATGGAAATAATGGTAATGGTAATAACGGAAATAACGGTGGCAATGGCAACAACGGAAACA 1061

Qy     764 TGGCTCAGAACACCGAGTGTACCAACTGTGCTCCTAACTTCTACAACAACAACGCTCCTA 823
           | | | |  | | |  | |  ||  ||  |  |||| |   || |||   |    |
Db    1062 ATGGTAATAGTAACAACGGAAATAATGGTAATGGTAACAACGGAAATAACGGTGGCAATG 1121

Qy     824 ACTTCAACCCTGGAAACTCTACCTGTCTGCCTTGTCCTGCTAACAAGGACTACGGAGCTG 883
           |  ||||      ||   ||  |      |     ||  || || |   ||||   |
Db    1122 GCAACAACGGAAACAATGGTAATGG------TAACAATGAAAATAATGGTAACGGTAGTA 1175

Qy     884 AGGCTACCGCTGGAGGAGCTGCTACCCTGGCTAAGCAGTGTAACATCGCTTGTCCTGACG 943
           | | || |  ||| |||   |  | |   | |||  |  || | | || |  |   |||
Db    1176 ATGGTAACAATGGTGGAAACGGCAACAATGGTAATAACGGTGATAACGGTAATGGCGACA 1235

Qy     944 GAACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGTGTCTGAACT 1003
              || || |  |   | || ||  ||| |   ||      |  |  | ||
Db    1236 ATGGTTATAACGGTGATAATGGTAACAGTGACGGGCGACTCAGACGCTGGGATTTGGCAA 1295

Qy    1004 GTGCTGCTAACTTCTACTTCGACGGAAACAACTTCCAGGCTGGATCTTCTCGCTGTAAGG 1063
           ||      | |  ||  |||  || |  ||||    |  |||| |      |   || |
Db    1296 ATGTCCGACGCATGCACGCCGAGCGATATCACTTTAGCGGAGGATGTATCGTCAAAAAAG 1355

Qy    1064 CT 1065
           ||
Db    1356 CT 1357


RESULT 14
US-09-815-242-4076/c
; Sequence 4076, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
;  APPLICANT: Haselbeck, Robert
;  APPLICANT:  Ohlsen, Kari L.
;  APPLICANT:  Zyskind, Judith W.
;  APPLICANT:  Wall, Daniel
;  APPLICANT:  Trawick, John D.
;  APPLICANT:  Carr, Grant J.
;  APPLICANT:  Yamamoto, Robert T.
;  APPLICANT:  Xu, H. Howard
;  TITLE OF INVENTION: Identification of Essential Genes in
;  TITLE OF INVENTION:  Prokaryotes
;  FILE REFERENCE: ELITRA.011A
;  CURRENT APPLICATION NUMBER: US/09/815,242
;  CURRENT FILING DATE:  2001-03-21
;  PRIOR APPLICATION NUMBER: 60/191,078
;  PRIOR FILING DATE: 2000-03-21
;  PRIOR APPLICATION NUMBER: 60/206,848
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 60/207,727
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: 60/242,578
;  PRIOR FILING DATE: 2000-10-23
;  PRIOR APPLICATION NUMBER: 60/253,625
;  PRIOR FILING DATE: 2000-11-27
;  PRIOR APPLICATION NUMBER: 60/257,931
;  PRIOR FILING DATE: 2000-12-22
;  PRIOR APPLICATION NUMBER: 60/269,308
;  PRIOR FILING DATE: 2001-02-16
;  NUMBER OF SEQ ID NOS: 14110
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4076
;   LENGTH: 1323
;   TYPE: DNA
;   ORGANISM: Pseudomonas aeruginosa
US-09-815-242-4076

  Query Match              2.3%;  Score 32.4;  DB 10;  Length 1323;
  Best Local Similarity   48.9%;  Pred. No. 5.8;
  Matches   87;  Conservative    0;  Mismatches   91;  Indels    0;  Gaps    0;

Qy     169 GCTGCTTTCGTGCCTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAAGAAGGACGCTGGA 228
           || ||| ||||  | |  |    | |   |        ||| ||      | |  | |||
Db    1287 GCCGCTATCGTCGCCGTTGGCATTGCTGATCTTGTCGGTCTTCGCCTTGACGTAGTTGGC 1228

Qy     229 GCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTGTCCT 288
           |   | | | |||  |  | |  ||       | |   ||||| |||  |        | |
Db    1227 GGAAACCTTCACCGCCTCGTTGGCGTACCAGTTGACGCCCAGGGTATGGGTCTTGCCCTT 1168

Qy     289 GCTGGAACCGCTATCGCTGGAGGAGCTACCGACTACGCTGCTATCATCACCGAGTGTG 346
           |  |   |||   |||| || || |||  |||| ||| || | |||||  |||   ||
Db    1167 GGCGTCGCCGACCTCGCGGGTGGCGCTGTCGACGACGATGTTGTCATCCTCGACCTTG 1110


RESULT 15
US-09-735-787-3
; Sequence 3, Application US/09735787
; Patent No. US20010036910A1
;   GENERAL INFORMATION:
;        APPLICANT: Rasmussen, Grethe
;                   Mikkelsen, Jan Moller
;                   Schulein, Martin
;                   Patkar, Shankant A.
;                   Hagen, Fred
;        TITLE OF INVENTION: A Cellulase Preparation Comprising an
```

```
;                          Endoglucanase Enzyme
;       NUMBER OF SEQUENCES: 33
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: No. US20010036910A1o No. US20010036910A1disk of No. US200100369
;            STREET: 405 Lexington Avenue, 64th Floor
;            CITY: New York
;            STATE: New York
;            COUNTRY: United States of America
;            ZIP: 10174-6401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/735,787
;            FILING DATE: 13-Dec-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/189,028
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Lambiris, Elias J.
;            REGISTRATION NUMBER: 33,728
;            REFERENCE/DOCKET NUMBER: 3469.214-US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 212-867-0123
;            TELEFAX: 212-878-9655
;   INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 1473 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       ORIGINAL SOURCE:
;            ORGANISM: Fusarium oxysporum
;            STRAIN: DSM 2672
;       FEATURE:
;            NAME/KEY:  CDS
;            LOCATION:  97..1224
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-735-787-3

  Query Match             2.3%;  Score 32.2;  DB 10;  Length 1473;
  Best Local Similarity   45.2%;  Pred. No. 7.2;
  Matches  118;  Conservative    0;  Mismatches  143;  Indels    0;  Gaps    0;

Qy     755 ACAACTGGGTGGCTCAGAACACCGAGTGTACCAACTGTGCTCCTAACTTCTACAACAACA 814
           ||||    || ||    ||  | |    ||||||    |  |       || ||||   ||
Db     965 ACAAGCCTGTCGCCACCAAGCCTGCTGCTACCAAGCCCGTCCAACCTGTCAACAAGCCCA 1024

Qy     815 ACGCTCCTAACTTCAACCCTGGAAACTCTACCTGTCTGCCTTGTCCTGCTAACAAGGACT 874
           |  |  |  |      || ||||| |   ||| |         || || || || |  |||
Db    1025 AGACAACCCAGAAGGTCCGTGGAACCAAAACCCGAGGAAGCTGCCCGGCCAAGACTGACG 1084

Qy     875 ACGGAGCTGAGGCTACCGCTGGAGGAGCTGCTACCCTGGCTAAGCAGTGTAACATCGCTT 934
             ||  ||||  ||| ||     |||  |  || |  |.     |  ||   |||||
Db    1085 CTACCGCCAAGGCCTCCGTTGTCCCTGCTTATTACCAGTGTGGTGGTTCCAAGTCCGCTT 1144

Qy     935 GTCCTGACGGAACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGT 994
           |||  |||| | |          ||   |  | ||| |  || |  | | |     | |
Db    1145 ATCCCAACGGCAACCTCGCTTGCGCTACTGGAAGCAAGTGTGTCAAGCAGAACGAGTACT 1204

Qy     995 GTCTGAACTGTGCTGCTAACT 1015
              | ||||   | ||||
Db    1205 ACTCCCAGTGTGTCCCCAACT 1225


Search completed: February 17, 2003, 01:59:30
Job time : 72.0802 secs
```